

For the Home and Small Office



The ORiNOCO RG-1100 Broadband Gateway is your ticket to the world of high-speed broadband Internet access and networking in your home or small office. The RG-1100 is interoperable with any Wi-Fi compliant and ORiNOCO wireless LAN, providing the ability to share files, peripherals and Internet access. Easy to install the RG-1100 gives you the convenience to work anytime, anywhere and any way you want.

ORiNOCO™ RG-1100 Broadband Gateway

Broadband Wireless Internet Access and Networking for the Home and Small Office

Technologically superior infrastructure

The RG-1100 Broadband Gateway acts as an access point to provide wireless LAN connectivity and Internet access via DSL, Cable or ISDN. Designed for between one to ten users, the RG-1100 is the ideal solution for home and small office networks, enabling multiple stations to share a single broadband Internet connection using Network Address Translation (NAT), Dynamic Host Configuration Protocol (DHCP), Point to Point Protocol over Ethernet (PPPoE) and Virtual Private Networking (VPN). Due to its superior receiver sensitivity (ears) and resilience to microwave interference, ORiNOCO has proven to be the best 802.11b radio in the industry providing unbeatable performance results in range and throughput.

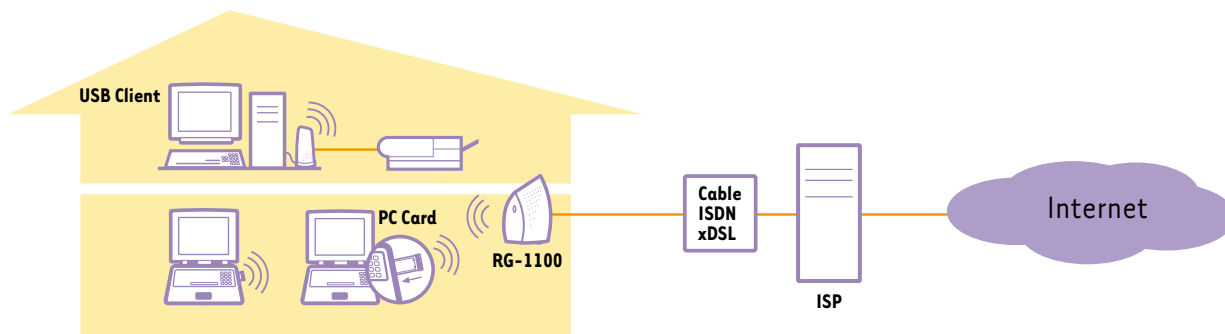
A rich set of wireless monitoring features and tools

The RG-1100 comes with an easy to use configuration tool and can also be configured and managed by network administrators using the Access Point (AP) Manager software. VPN passthrough, WEP encryption and access control table based authentication enable the set up of secure network access for remote office workers.

The RG-1100 Broadband Gateway is part of the complete ORiNOCO product family of infrastructure and client products – all you need to get a wireless network up and running and have reliable shared Internet access throughout your home or business. Put together the configuration that is right for your network, or try one of our wireless networking kits for the home and small office, which include an ORiNOCO PC Card for laptops and/or a USB Client for desktops.

RG-1100 FEATURES

- Industry-leading radio design
- High performance 11 Mbit/s data rate
- Wide coverage range of up to 1,750 ft/550 m
- Rich set of wireless monitoring features and tools
- IEEE 802.11b (Wi-Fi) certified
- Plug-and-Surf access over xDSL, Cable Modem or ISDN for wireless networks
- VPN IP Sec passthrough allowing secure tunnels
- High-level security with 128-bit RC4 encryption and access control table based authentication
- Remote management using SNMP



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About Agere Systems

The Wireless Communications and Networking Division (WCND) of Agere Systems, formerly known as the microelectronics division of Lucent Technologies, is a global leader in wireless local area network (WLAN) technology. It designs and sells ORiNOCO wireless LAN products and solutions through a network of leading OEM customers. Agere Systems has also established WLAN sales channels to service providers, enterprise customers and end-users through several e-commerce sites and a vast array of value-added resellers. The ORiNOCO line of products encompasses a full range of indoor and outdoor WLAN products, as well as enhanced security products for public areas and security-conscious enterprises.



**The Standard For
Wireless Fidelity**

Wi-Fi is a trademark of the Wireless Ethernet Compatibility Alliance, Inc.
Windows and Windows Me are registered trademarks of Microsoft Corporation.

More information on ORiNOCO products:

www.orinocowireless.com

agere systems

ORiNOCO RG-1100 Broadband Gateway Specifications

ADDITIONAL FEATURES

- Network Address Port Translation (NAPT)
- DHCP Server/Client (RFC 2131, RFC 2132)
- DNS Proxy
- Fault Management: System Self Test, Event Logging
- Transparent Learning Bridge (IEEE 802.1d)
- Security Management: Administrative Password, User Password, Configurable SNMP Community String, PAP Authentication with PPP, CHAP Authentication with PPP, IP Packet Filtering
- VPN IP Sec Passthrough (RFC 2410)
- DNS Relay
- PPP over Ethernet (RFC 2516)
- External Factory Reset Option
- Performance Management Statistics: Ethernet, Bridging, IP Forwarding, ICMP, PPP, TCP, UDP

INTERFACE

Ethernet	10 Base-T RJ-45 socket
Wireless	IEEE 802.11b

RADIO CHARACTERISTICS

Frequency Channels	2400 - 2483.5 MHz
Modulation Technique	Direct Sequence Spread Spectrum (CCK, DQPSK, DBPSK)
Spreading	11 - chip Barker Sequence
Bit Error Rate (BER)	Better than 10 ⁻⁵
Nominal Output Power	15 dBm

RANGE (METERS/FT)	11 MBIT/S	5.5 MBIT/S	2 MBIT/S	1 MBIT/S
Open	160m (525 ft)	270m (885 ft)	400m (1300 ft)	550m (1750 ft)
Semi-open	50m (165 ft)	70m (230 ft)	90m (300 ft)	115m (375 ft)
Closed	25m (80ft)	35m (115 ft)	40m (130 ft)	50m (165 ft)
Receiver Sensitivity dBm	-82	-87	-91	-94
Delay Spread (at FER of <1%)	65ns	225ns	400ns	500ns
Data speeds with auto rate fallback	11 Mbit/s	5.5 Mbit/s	2 Mbit/s	1 Mbit/s

PHYSICAL SPECIFICATIONS

Dimensions	208 x 52 x 155mm
Weight	0.4 Kg

ENVIRONMENTAL SPECIFICATIONS

	Temperature	Humidity
Operating	0°C to 40°C	95% (non condensing)
Storage	-20°C to 75°C	95% (non condensing)

POWER SUPPLY

Types	AU, UK, US/JP, EU, External wall mount type power supply
Voltage	110-120 VAC 60 Hz, 220-240 VAC 60 Hz

LEDs

4 LEDs:	Power Ethernet Activity Network Activity Non Functioning
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OPERATING SYSTEMS

Windows 95/98/2000, Me and Windows NT

MTBF

150,000 hours based on workload, of 8760 hours/year (continuous operation), within operating conditions

WARRANTY

1 year

PACKAGE CONTENTS

- Wall plug-in power supply
- Ethernet cable
- Quick Installation Flyer
- Configuration software on CD-ROM

Wireless Networking Kits are available for desktop and laptop use including an RG, ORiNOCO PC Card and ORiNOCO USB Client.

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